

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

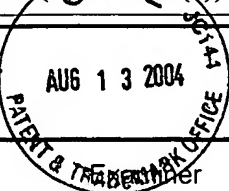
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

EMI.1003

In Re Application Of: CORCORAN, et al.

AUG 13 2004



Application No.

Filing Date

Inventor

Customer No.

Group Art Unit

Confirmation No.

10/668,910

September 23, 2003

Jones, Judson

26,812

2834

2532

Title:

MOTOR ASSEMBLY ALLOWING OUTPUT IN MULTIPLE DEGREES OF FREEDOM

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

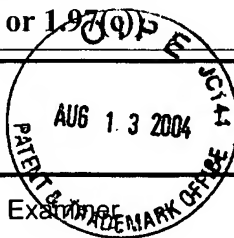
☐ the statement specified in 37 CFR 1.97(e);

**OR**

☒ the fee set forth in 37 CFR 1.17(p).

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(Under 37 CFR 1.97(b) or 1.97(q))

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EMI.1003In Re Application: CORCORAN, *et al.*

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10/668,910	September 23, 2003	Jones, Judson	26,812	2834	2532

**MOTOR ASSEMBLY ALLOWING OUTPUT IN MULTIPLE DEGREES OF FREEDOM****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of \$180.00 is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

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I certify that this document and fee is being deposited on \_\_\_\_\_ th the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

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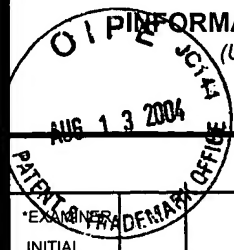
\*This certificate may only be used if paying by deposit account.

Dated:

Aug. 11, 2004

Signature

CC:

**INFORMATION DISCLOSURE CITATION**

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10/668,910

APPLICANT(S)

CORCORAN, et al

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9-23-03

GROUP

2834

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,080,724	3-28-78	Gillette	29	598	
	4,161,726	7-17-79	Burson, et al.	340	365R	
	4,352,646	10-5-82	Laing, et al.	417	420	
	4,477,043	10-16-84	Repperger	244	223	
	4,533,827	8-6-85	Fincher	250	214 PR	
	4,560,983	12-24-85	Williams	340	825	
	4,590,339	5-20-86	Scott-Jackson, et al.	200	6 A	
	4,607,197	8-19-86	Conrad	318	115	
	4,632,341	12-30-86	Repperger, et al.	244	230	
	4,642,595	2-10-87	Ruumpol	336	135	
	4,375,631	3-1-83	Goldberg	338	128	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP362221856A	9-29-87	Japan	H02K033	16		✓

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Development of a Variable-Reluctance Spherical Motor" by Kok-Meng Lee and Xiao-an Wang, Proceedings of the 18th NSF Grantees Conference of Design and Manufacturing System Research, Atlanta, Georgia, Jan. 8-12, 1992
		"Automated Adaptive Control of Display Characteristics Within Future Air Force Crew Stations" Haas, et al. Proc. of Amer. Control Conference 1998; Vol. 1 Air Force Res. Lab., Wright Patterson AFB, OH, USA; pages 450-452 Month Unknown

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,719,381	1-12-98	Miles	310	166	
	4,739,241	4-19-88	Vachtsevanos, et al.	318	800	
	4,745,367	5-17-88	Dustmann, et al.	328	235	
	4,763,034	8/88	Gamble	310	181	
	4,842,607	6-27-89	Repperger, et al.	623	24	
	4,855,704	8-8-89	Betz	336	132	
	4,980,558	3-13-90	Lordo et al.	318	648	
	4,945,367	7-31-90	Blackshear	396	427	
	5,044,956	9-3-91	Behensky, et al.	434	45	
	5,062,594	11-5-91	Repperger	244	175	
	5,107,080	4-21-92	Rosen	200	6 A	

## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

			Biodynamic and Spasticity Reduction in Joystick Control via Force Reflection" Repperger Sept. 1995; AD-A313 739, AL/CR-TR-1995-0152 Armstrong Laboratory, Air Force Material Command, Wright Patterson AFB, OH; Pages 1-23
			"Why the Pentagon is Often Slow to Pursue Promising New Weapons", Ricks Wall Street Journal; October 12, 1999, Pages 1-9

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	5,111,288	5-5-92	Blackshear	348	143	
	5,196,745	3-23-93	Trumper	310	12	
	5,319,577	6-7-94	Lee	702	153	
	5,328,166	7-12-97	Hokamura	271	171	
	5,349,881	9-27-94	Olorenshaw et al.	74	471 XY	
	5,382,860	1-17-95	Fanning et al.	310	216	
	5,402,049	3-28-95	Lee, et al.	318	568.1	
	5,410,232	4-25-95	Lee	318	568.11	
	5,416,392	5-16-95	Lee et al.	318	568.1	
	5,421,694	6-6-95	Baker et al	414	694	
	5,491,462	2-13-96	Cecchi et al.	338	128	

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						YES	NO

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		"Urban Warfare: Where Innovation Hasn't Helped", Ricks - <i>Wall Street Journal</i> ; 10-12-99, Pages 1-3
		"A Test of Fitts' Law in Two Dimensions with Head and Head Movement", R. Jagacinski, et al. AD-A133 347, AFAMRL-TR-83/054, Wright Patterson AFB, OH, July 1983; Pages 1-23

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	5,503,040	4-2-96	Wright	74	471 XY	
	5,589,854	12-31-96	Tsai	345	161	
	5,619,195	4-8-97	Allen et al.	341	20	
	5,643,087	7-1-97	Marcus et al.	463	38	
	5,689,670	11-18-97	Luk	712	207	
	5,691,898	11-25-97	Rosenberg et al.	700	85	
	5,703,604	12-30-97	McCutchen	345	8	
	5,709,219	1-20-98	Chen et al.	600	595	
	5,719,451	2-17-98	Cook et al.	310	12	
	5,721,566	2-24-98	Rosenberg, et al.	345	161	
	5,731,804	3-24-98	Rosenberg	345	156	

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						YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		"Effects of Different Control Mechanism Upon Use of a Training Device," Schlechter. AD-A212 979, US Army, Fort Knox, KY, July 1989; Pages 1-18
		"Sims Aims High", Electronic Design, Penton Media, Hasbrouck Heights, NJ, Aug. 23, 1999; Page 32 B

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	5,734,373	3-31-98	Rosenberg et al.	345	161	
	5,739,811	4-14-98	Rosenberg et al.	345	161	
	5,767,839	6-16-98	Rosenberg	345	161	
	5,773,773	6-30-98	McCauley et al.	200	6 A	
	5,805,140	9-9-98	Rosenberg et al.	345	161	
	5,825,308	10-20-98	Rosenberg	341	20	
	5,831,554	11-30-98	Hedayat et al.	341	20	
	5,831,596	11-3-98	Marshal et al.	345	161	
	5,903,456	5-11-99	Schena et al	364	190	
	5,929,607	7-27-99	Rosenberg et al	320	166	
	5,929,846	7-27-99	Rosenberg et al	345	161	

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						YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			"A study of Adaptive Stick Controller in Human Interface Systems" Reppeger, et al. Proc. of Amer. Control Conference 1998; Vol. 1, Air Force Res. Lab, Wright Patterson AFB, OH, Pages 453-455. Month unknown.

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		5,942,832	8-27-99	Oudet	310	254	
		5,969,520	10-19-99	Schottler	324	207.2	
		6,004,134	12-21-99	Marcus et al.	434	45	
		6,153,951	11-28-2000	Morita et al.	310	12	
		6,259,174	7-10-2001	Ono	310	13	

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

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